

CLAIMS

We claim:

1. A hand held wire stripper having a first lever member and a second lever member each with an elongated handle and an offset jaw having a working edge, the first and second lever members being pivotally joined so that the working edges lie adjacent each other when in a closed position, and wherein the working edge of the first lever member includes a first cutting blade section and the working edge of the second lever member includes a second cutting blade section aligned with the first multi-angled cutting blade, wherein the first and second cutting blade sections each taper from their working edge in at least two oblique angles with respect to the working edge.
2. The wire stripper of claim 1, wherein the first and second cutting blade sections define a first acute angle surface adjacent the working edge and a second acute angle surface of an angle greater than the first surface and spaced from the working edge by the first surface.
3. The wire stripper of claim 2, wherein the first surface is at approximately a 15 degree angle and the second surface is at approximately a 45 degree angle.
4. The wire stripper of claim 3, wherein the first surface extends approximately 0.03 inches.
5. The wire stripper of claim 1, wherein the lever members are stainless steel.

5 6. The wire stripper of claim 1, wherein the working edge of the first lever member includes a first set of incrementally sized recesses opening inwardly and the working edge of the second lever member includes a second set of incrementally sized recesses opening inwardly and aligned with the first set so that when the wire stripper is in the closed position the first and second set of recesses form incrementally sized openings for stripping insulation from an insulated conductor.

7. The wire stripper of claim 1, further including a spring biasing apart the handles of the first and second lever members.

8. The wire stripper of claim 1, wherein a tip of each jaw includes an inwardly extending toothed section.

5 9. A hand held wire stripper having a first lever member and a second lever member each with an elongated handle and an offset jaw having a working edge, the first and second lever members being pivotally joined so that the working edges lie adjacent each other when in a closed position, and wherein the working edge of the first lever member includes a first cutting blade section and the working edge of the second lever member includes a second cutting blade section aligned with the first cutting blade, wherein the first and second cutting blade sections each define a plurality of serrations aligned with the serrations of the other lever member.

10. The wire stripper of claim 9, wherein the first and second cutting blade sections each taper from their working edge in at least two oblique angles with respect to the working edge.

5 11. A hand held wire stripper has a first lever member pivotally joined to a second lever member about a hinge point, each lever member has an elongate handle and an offset jaw with a working edge positioned adjacent a working edge of the other lever member when in a closed position, each elongated handle has a rear grip and a forward grip separated by an outward extension, the forward grips extend forward from the outward extensions toward the hinge point so as to receive a thumb and forefinger of a user and allow gripping of the handles adjacent the hinge point.

12. The wire stripper of claim 11, wherein the forward grips are concave opening in a direction away from a centerline extending through the hinge point and along the working edges when in the closed position.

13. The wire stripper of claim 12, wherein the forward grips are defined by radii within a range of approximately 1 to 2 inches.

14. The wire stripper of claim 11, wherein the handles are symmetrical about a centerline extending through the hinge point and along the working edges when in the closed position.

15. The wire stripper of claim 14, wherein the rear grips are concave in the direction of the centerline.

16. The wire stripper of claim 15, wherein the forward grips are concave in the direction away from the centerline.

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17. The wire stripper of claim 11, wherein the rear grip of the handle of the first lever member is generally concave opening toward a centerline extending through the hinge point and along the working edges when in the closed position and wherein the rear grip of the handle of the second lever member has a first segment adjacent the outward extension that is concave away from the centerline and a second segment adjacent the first segment that is concave toward the centerline.

18. The wire stripper of claim 17, wherein the handle of the first lever member intersects the centerline and the handle of the second lever is disposed on the side of the centerline opposite the handle of the first lever member.

19. The wire stripper of claim 18, wherein the rear grip of the handle of the second lever member has a third segment adjacent the second segment and at an end opposite the hinge point that is concave away from the centerline and defines a finger retaining lip.

20. The wire stripper of claim 17, wherein the forward grips are concave in the direction away from the centerline.

21. The wire stripper of claim 11, wherein each of the rear grips defines at least one raised projection on an outer portion thereof adjacent the outward extensions.